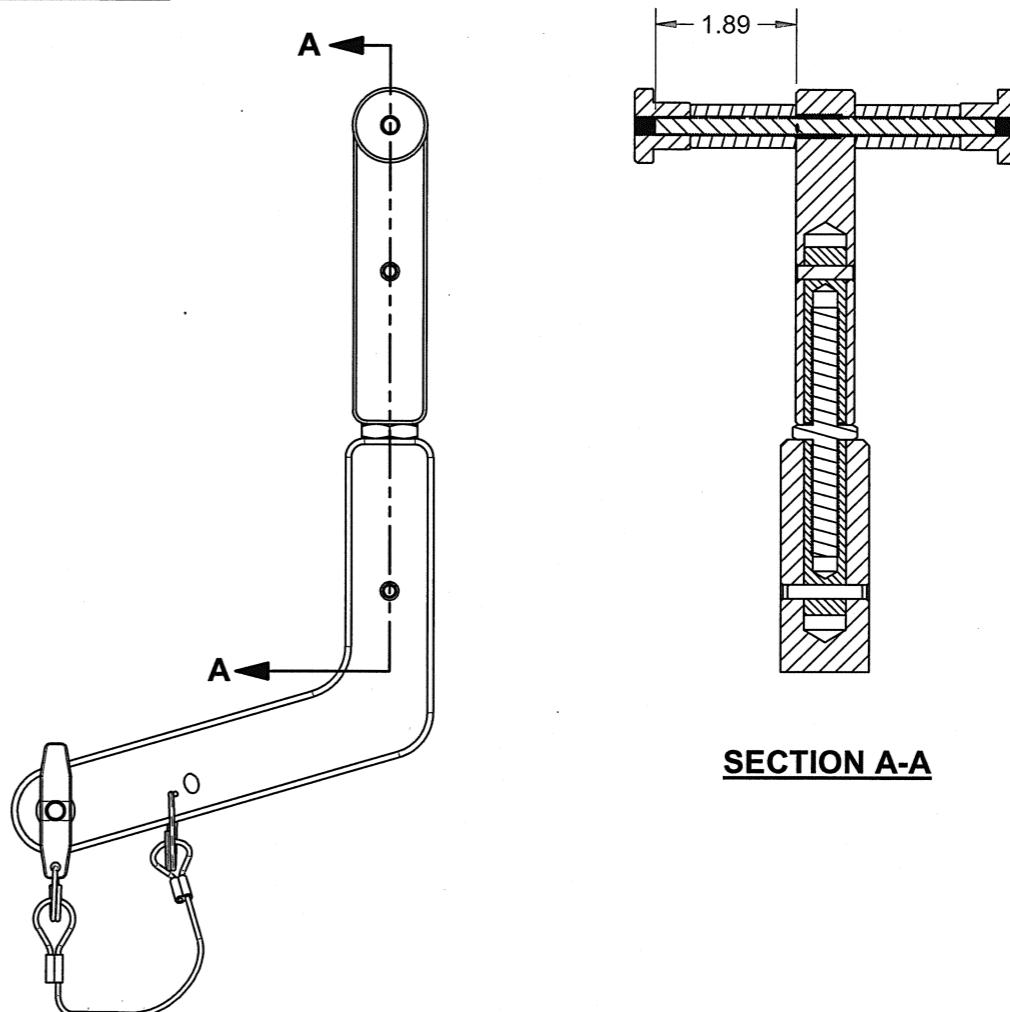
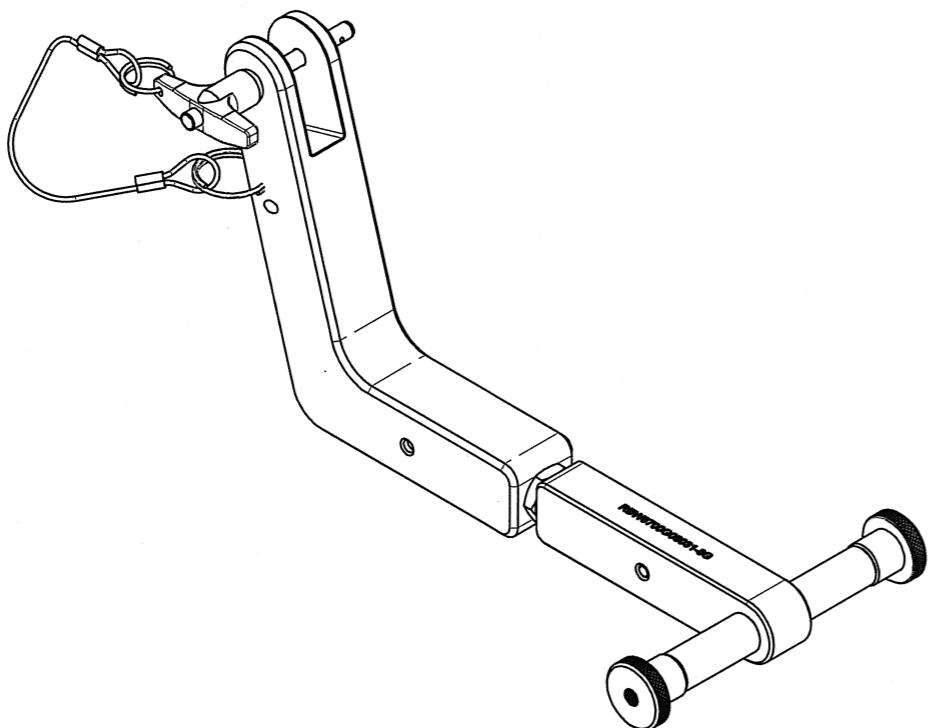


ITEM #	QTY	PART #	PART TITLE
-1	1	RBW6700G08031-8G-1	BEND SUPPORT ASSY
-4	1	RBW6700G08031-8G-4	SUPPORT ASSY
-6	1	RBW6700G08031-8G-6	THREADED PIN
-7	1	RBW6700G08031-8G-7	THREADED ROD
-8	2	RBW6700G08031-8G-8	POSITIONING PIN
-9	1	RBW6700G08031-8G-9	ADHESIVE TAPE
10	2	McMaster#3896T31 OR EQUIV.	ALUMINUM WIRE ROPE COMPRESSION SLEEVE 1/16" DIA. X 3/8" LG.
11	2	McMaster#60205K810 OR EQUIV.	303 SS ROUND KNOB 1/4"-28 THREADED THROUGH HOLE X 1" HEAD DIA.
12	1	McMaster#90905A655 OR EQUIV.	316 SS SPLIT RING 15/16" ID. X 1-1/16" OD. X 1/8" THK.
13	1	McMaster#93680A215 OR EQUIV.	17-4 PH T-HANDLE PUSH BUTTON QUICK RELEASE PIN 6mm DIA. X 40mm GRIP LG.
14	1	CARR-LANE#CL-2-C	NYLON COATED STEEL LANYARD 1/16" DIA.



RBW6700G08031-8G M/R ACTUATOR ADJUSTMENT TOOL ASSY

12

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
 X.XX = +/- 0.01" / +/- 0.5°
 X.XXX = +/- 0.005" / +/- 0.1°
 X.XXXX = +/- 0.0005" / +/- 0.05°
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A
- 7) ASSEMBLE AS SHOWN
- 8) INSTALL ITEMS -6 AND 11 HAND TIGHT
- 9) ASSEMBLE ITEM -9 ADHESIVE SIDE ON ITEM -1 AS SHOWN, AND CUT EXCESS IF NECESSARY
- 10) APPLY NICKEL ANTI-SEIZE LOCTITE LB 771 ON THREADS OF ITEM 7 THEN ASSEMBLE WITH ITEM 11, AND REMOVE EXCESS
- 11) ASSEMBLED LANYARD LENGTH MUST BE 6" +/- 1", LANYARD MUST MOVE FREELY WHEN INSTALLING/REMOVING ITEM 13
- 12) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

A	NEW ISSUE	19-904	KPT
REV.	DESCRIPTION	ECN #	BY
DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	REV. A	
MFG. APPR.	JFC	TOOL PART #	
APPROVED	WP	RBW6700G08031-8G	
DATE	2019-09-13	TITLE	
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	
		COPYRIGHT © 2019 BY DART AEROSPACE LTD	
		THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1

D

D

C

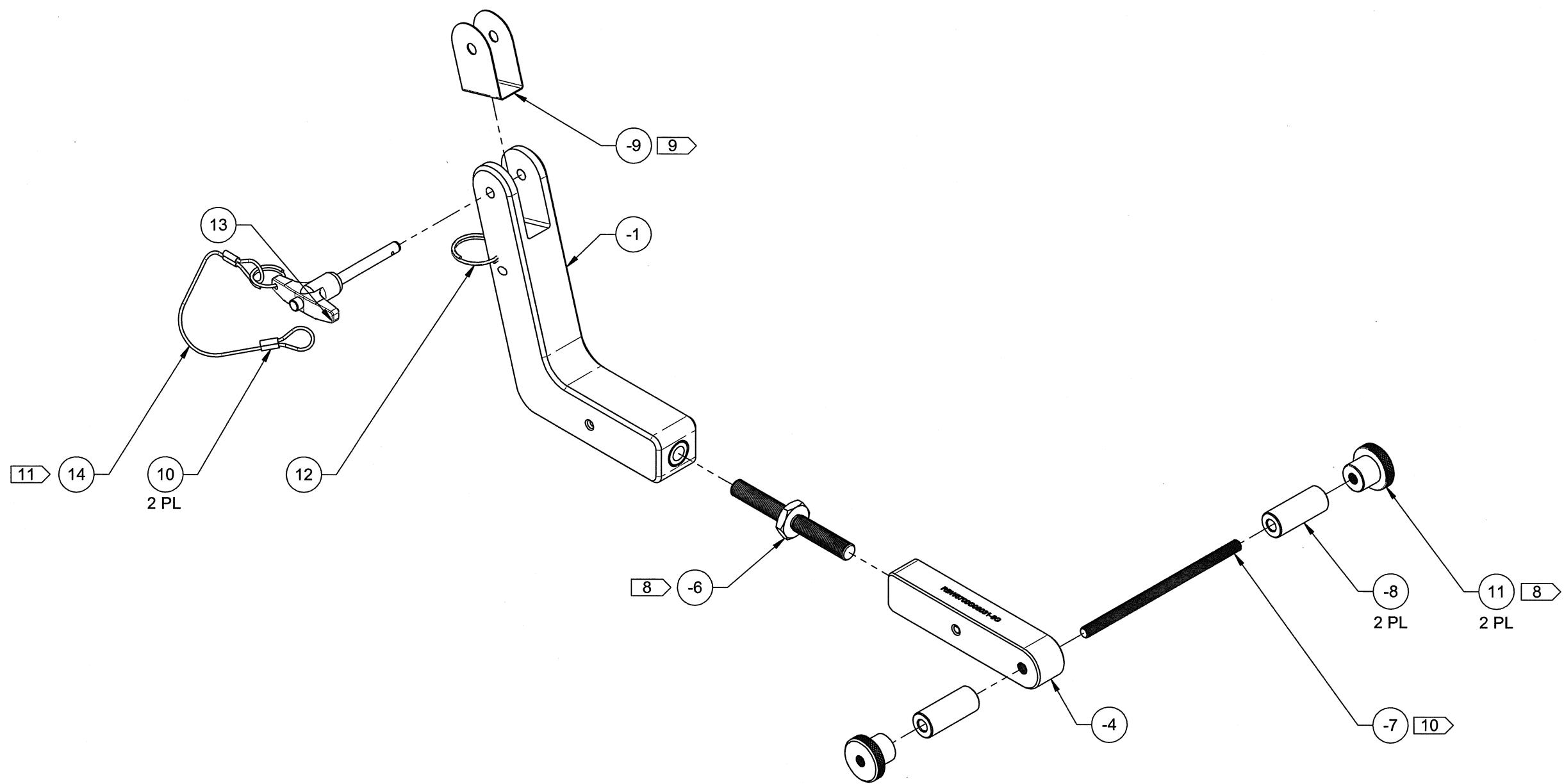
C

B

B

A

A



DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH		
MFG. APPR.	JFC		
APPROVED			
DATE 2019-09-13		<i>WJP</i>	
TOOL PART #		RBW6700G08031-8G	
TITLE		REV. A	
M/R ACTUATOR ADJUSTMENT TOOL ASSY		SHEET 2 OF 12	
COPYRIGHT © 2019 BY DART AEROSPACE LTD		SCALE	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS		NTS	
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT		WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8

7

6

5

4

3

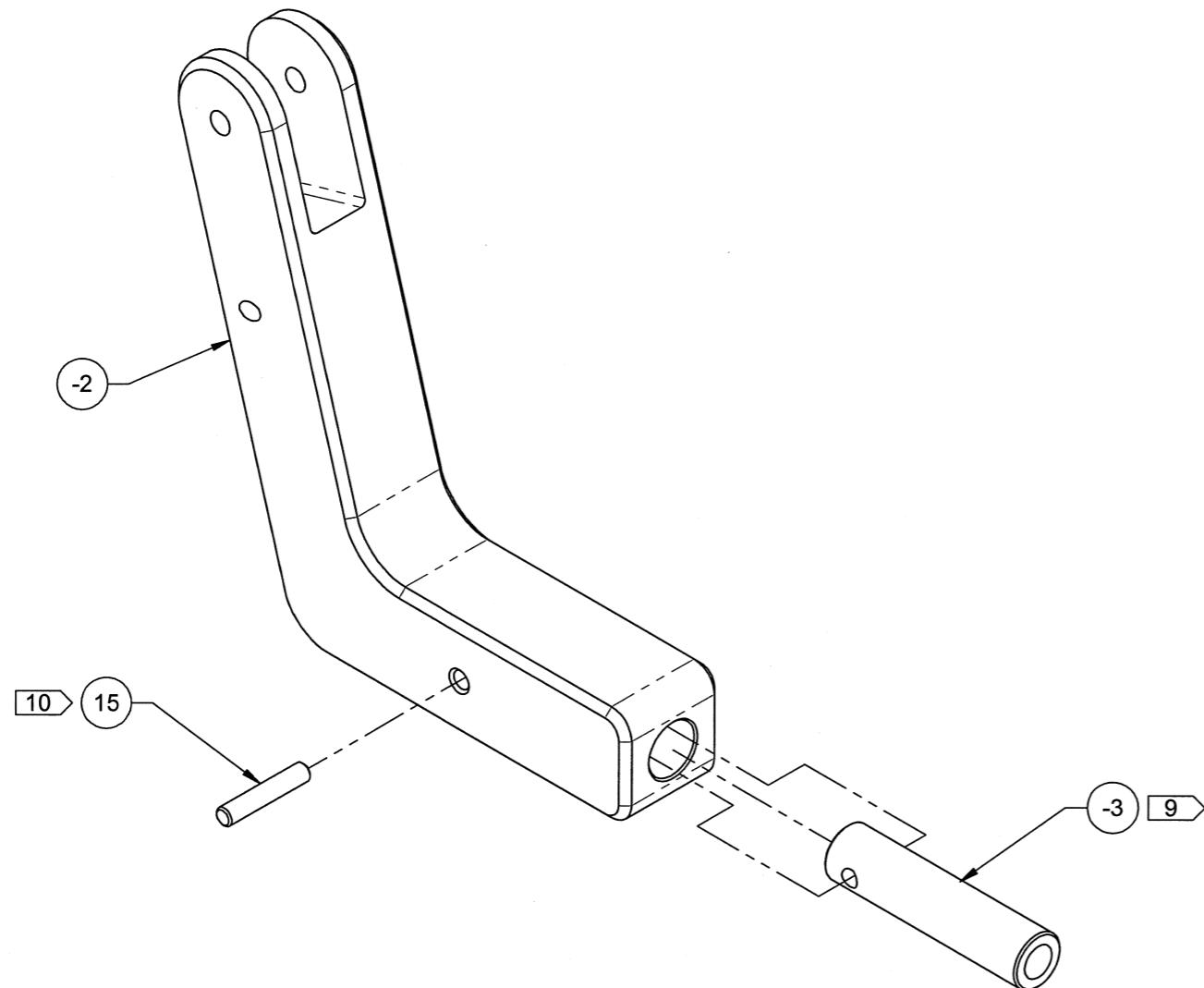
2

1

ITEM #	QTY	PART #	PART TITLE
-2	1	RBW6700G08031-8G-2	BEND SUPPORT
-3	1	RBW6700G08031-8G-3	LEFT HAND ALIGNMENT BUSHING
15	1	McMaster#98380A510 OR EQUIV.	416 SS DOWEL PIN 3/16" DIA. X 1" LG.

D

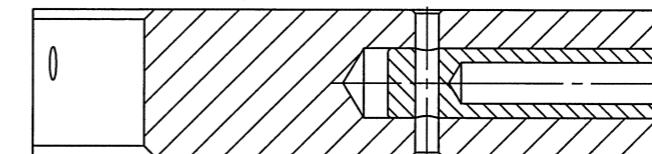
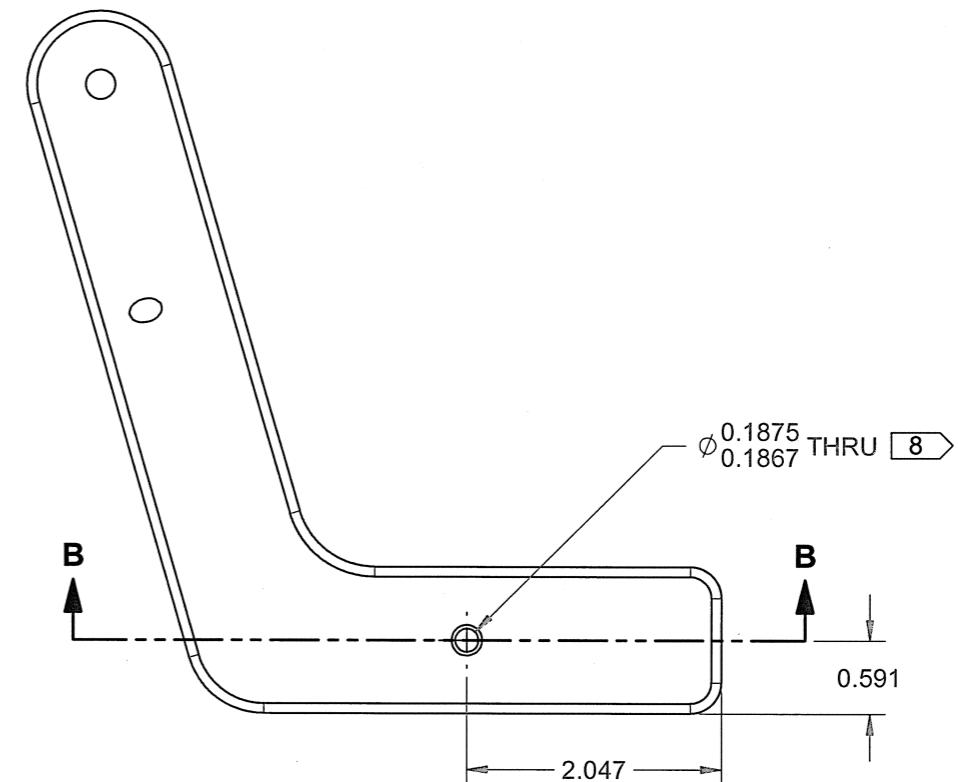
D



RBW6700G08031-8G-1 BEND SUPPORT ASSY

NOTES:

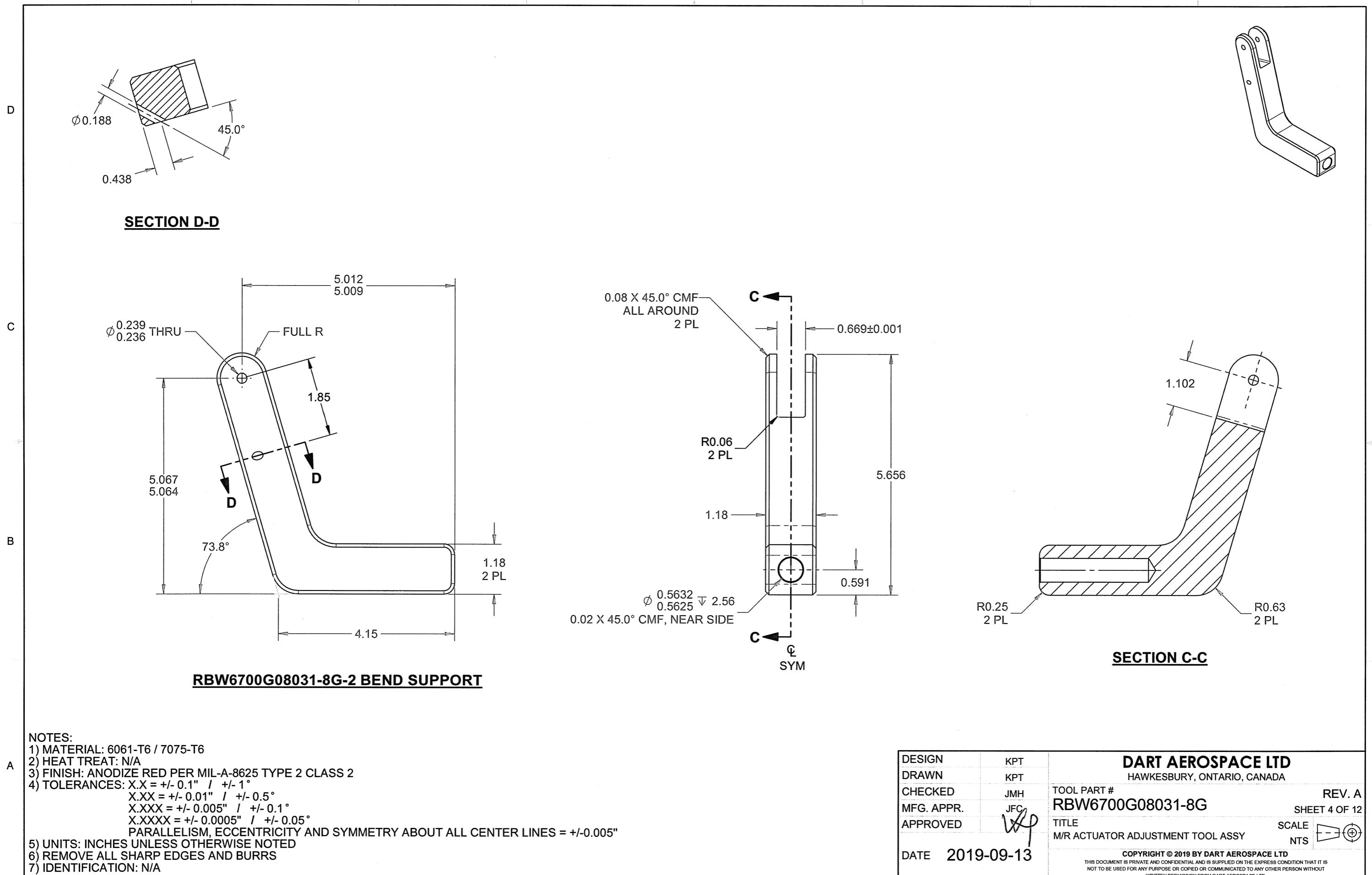
- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: $X.X = +/- 0.1" / +/- 1^\circ$
 $X.XX = +/- 0.01" / +/- 0.5^\circ$
 $X.XXX = +/- 0.005" / +/- 0.1^\circ$
 $X.XXXX = +/- 0.0005" / +/- 0.05^\circ$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $+/- 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A
- 7) ASSEMBLE AS SHOWN
- 8) TRANSFER DRILL HOLE THROUGH ITEMS -2 AND -3 AS SHOWN
- 9) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES
THEN PRESS FIT ITEM -3 WITH ITEM -2, AND REMOVE EXCESS
- 10) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES
THEN PRESS FIT ITEM 15 CENTERED WITH ITEM -2, AND REMOVE EXCESS



SECTION B-B
(ITEM 15 REMOVED FOR CLARITY)

DESIGN DRAWN	KPT KPT	DART AEROSPACE LTD	
CHECKED	JMH	HAWKESBURY, ONTARIO, CANADA	
MFG. APPR.	JFC	TOOL PART #	REV. A
APPROVED	<i>WAP</i>	RBW6700G08031-8G	SHEET 3 OF 12
DATE 2019-09-13		TITLE M/R ACTUATOR ADJUSTMENT TOOL ASSY	SCALE NTS

COPYRIGHT © 2019 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.



D

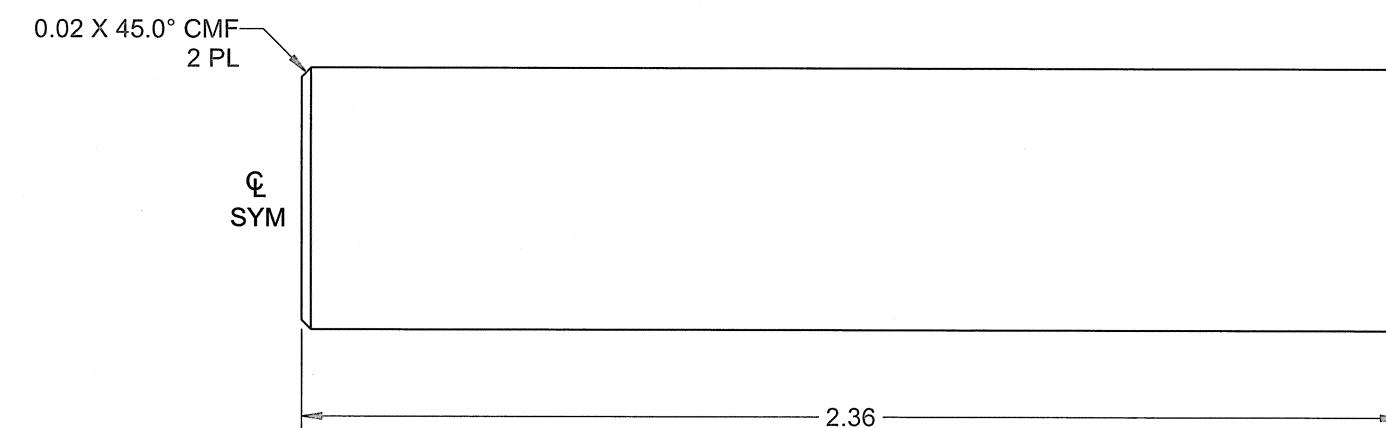
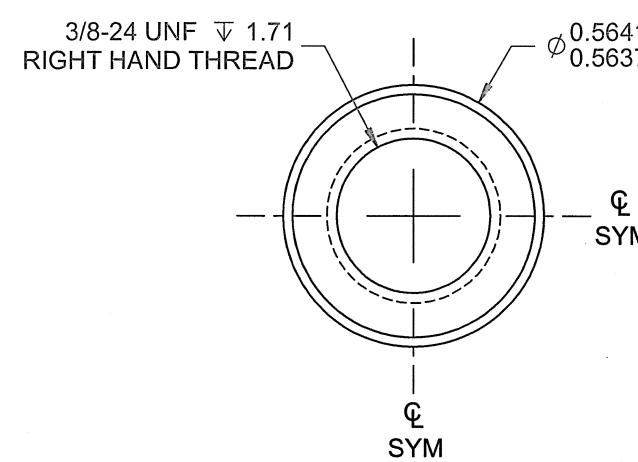
D

C

C

B

B



RBW6700G08031-8G-3 LEFT HAND ALIGNMENT BUSHING

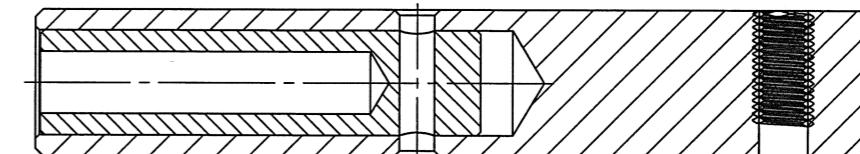
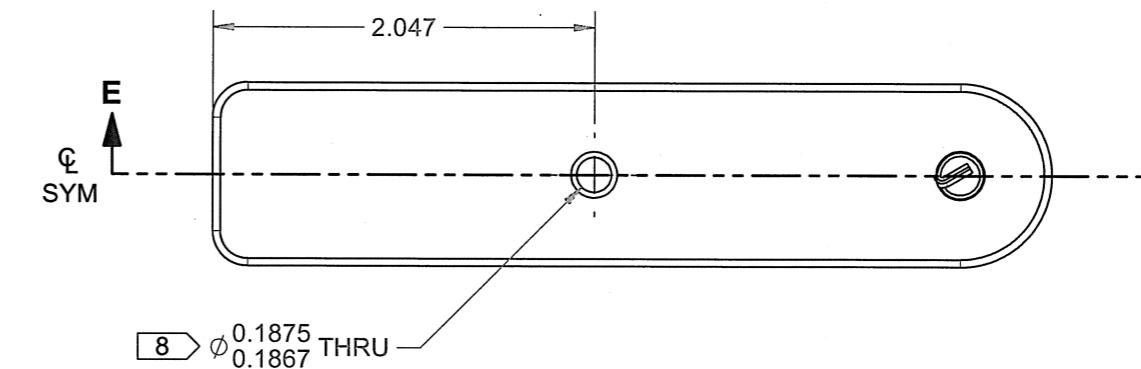
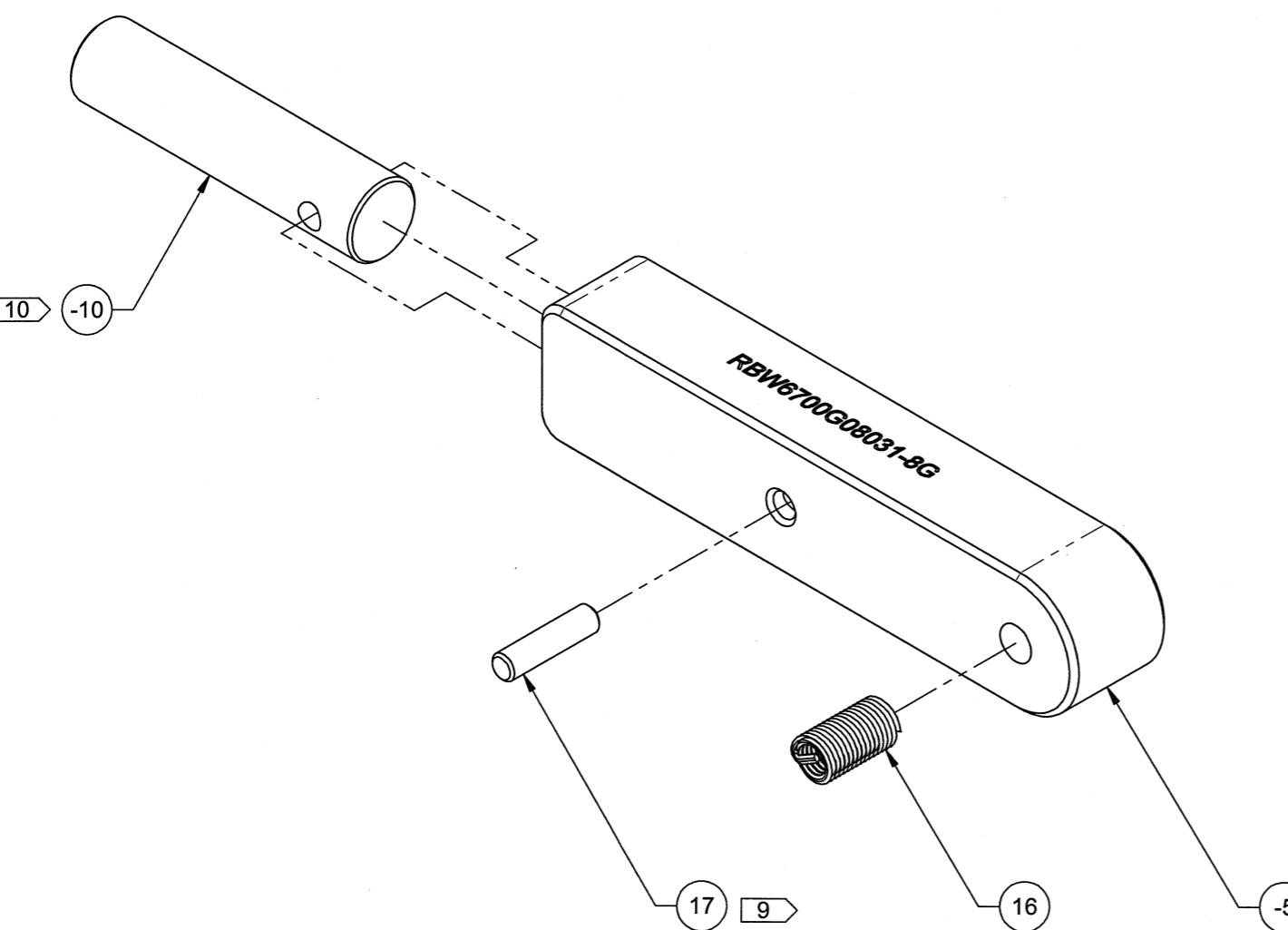
NOTES:

- 1) MATERIAL: BRONZE C63000
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = $+\/- 0.1"$ / $+\/- 1^\circ$
X.XX = $+\/- 0.01"$ / $+\/- 0.5^\circ$
X.XXX = $+\/- 0.005"$ / $+\/- 0.1^\circ$
X.XXXX = $+\/- 0.0005"$ / $+\/- 0.05^\circ$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $+\/- 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 5 OF 12
APPROVED	VIP	TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS
DATE 2019-09-13		COPYRIGHT © 2019 BY DART AEROSPACE LTD	
		THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

ITEM #	QTY	PART #	PART TITLE
-5	1	RBW6700G08031-8G-5	SUPPORT
-10	1	RBW6700G08031-8G-10	RIGHT HAND ALIGNMENT BUSHING
16	1	McMaster#91732A738 OR EQUIV.	SS18-8 HELICAL INSERT 1/4"-28 X 5/8" LG.
17	1	McMaster#98380A833 OR EQUIV.	416 SS DOWEL PIN 3/16" DIA. X 3/4" LG.

D



SECTION E-E
(ITEM 17 REMOVED FOR CLARITY)

RBW6700G08031-8G-4 SUPPORT ASSY

NOTES:

1) MATERIAL: N/A
2) HEAT TREAT: N/A
3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) IDENTIFICATION: N/A

7) ASSEMBLE AS SHOWN

8) TRANSFER DRILL HOLE THROUGH ITEMS -5 AND -10 AS SHOWN

9) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES
THEN PRESS FIT ITEM -10 WITH ITEM -5, AND REMOVE EXCESS

10) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES
THEN PRESS FIT ITEM 17 CENTERED WITH ITEM -5, AND REMOVE EXCESS

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	REV. A	
MFG. APPR.	JFC	SHEET 6 OF 12	
APPROVED	<i>WJ</i>	SCALE NTS	
DATE 2019-09-13		COPYRIGHT © 2019 BY DART AEROSPACE LTD	
		THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

D

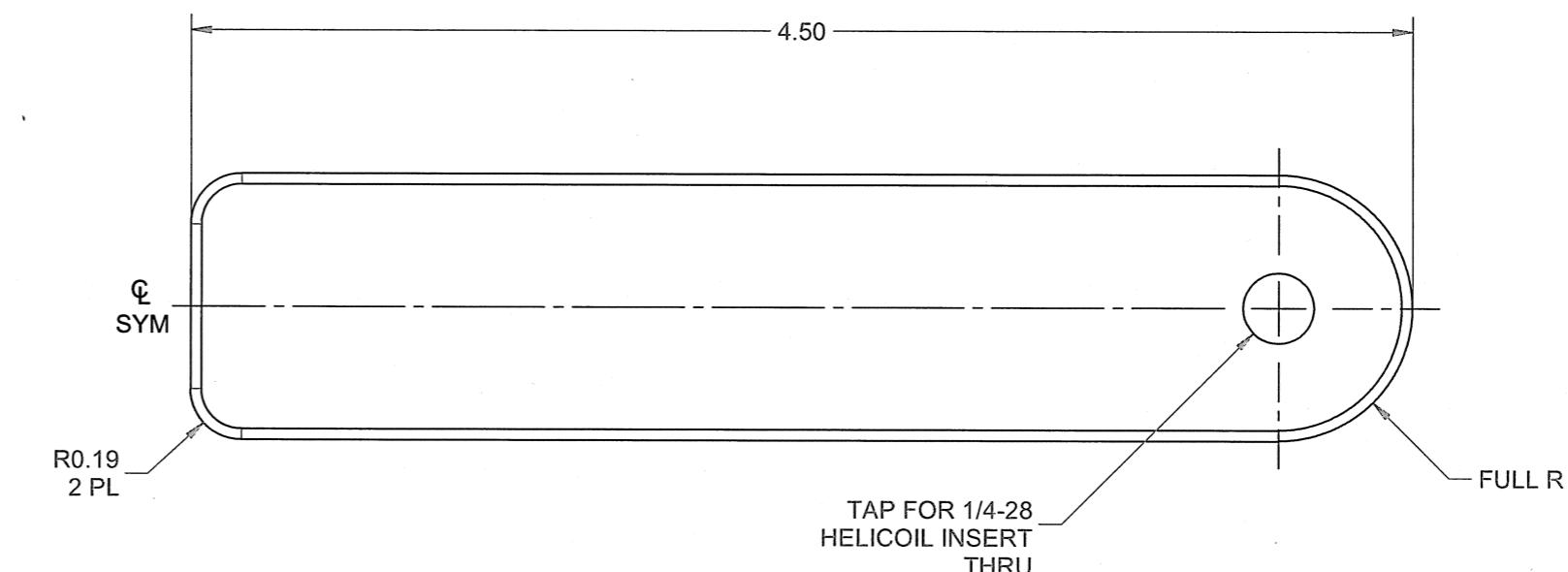
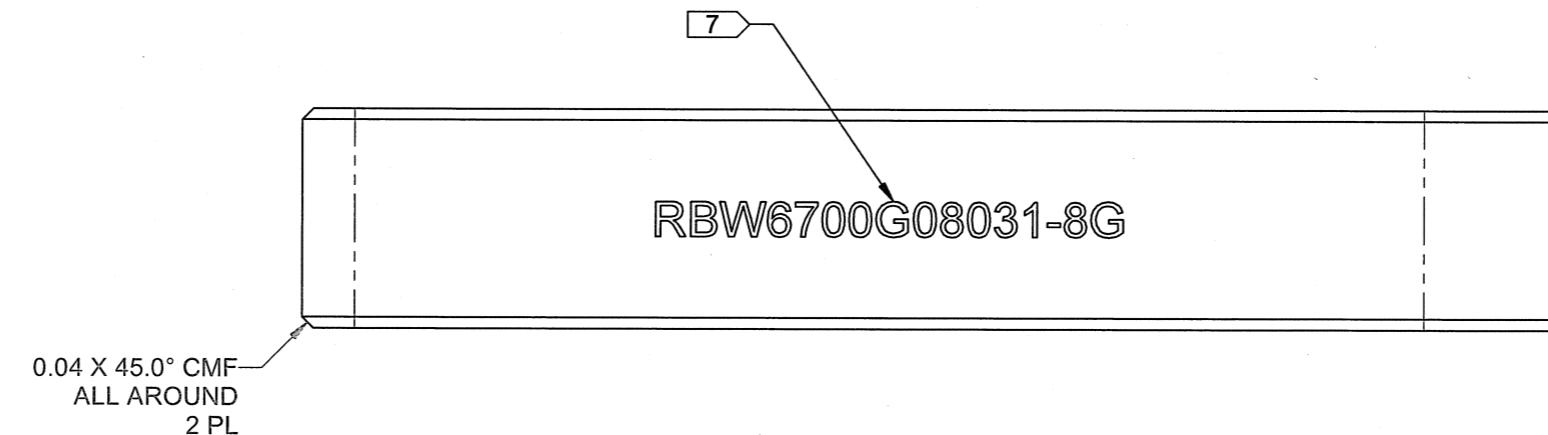
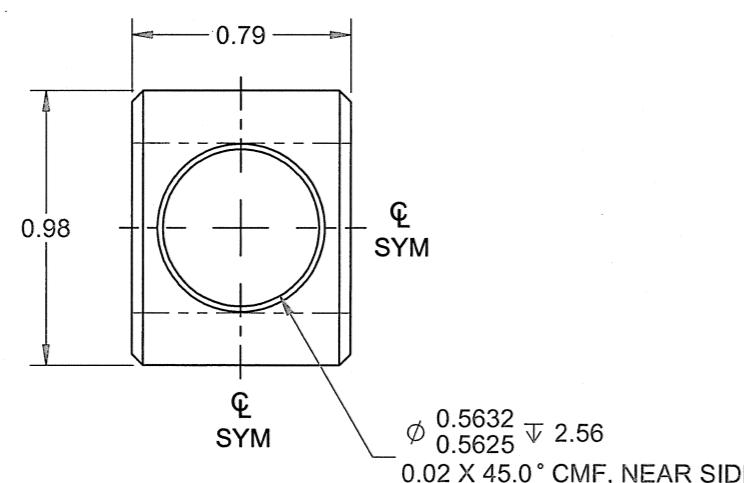
D

C

C

B

B



RBW6700G08031-8G-5 SUPPORT

NOTES:

- 1) MATERIAL: 6061-T6 / 7075-T6
- 2) HEAT TREAT: N/A
- 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N, "RBW6700G08031-8G", AS SHOWN

DESIGN DRAWN	KPT KPT	DART AEROSPACE LTD	
CHECKED	JMH	HAWKESBURY, ONTARIO, CANADA	
MFG. APPR.	JFG	TOOL PART #	REV. A
APPROVED	W	RBW6700G08031-8G	SHEET 7 OF 12
DATE 2019-09-13		TITLE	SCALE NTS
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS

COPYRIGHT © 2019 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

D

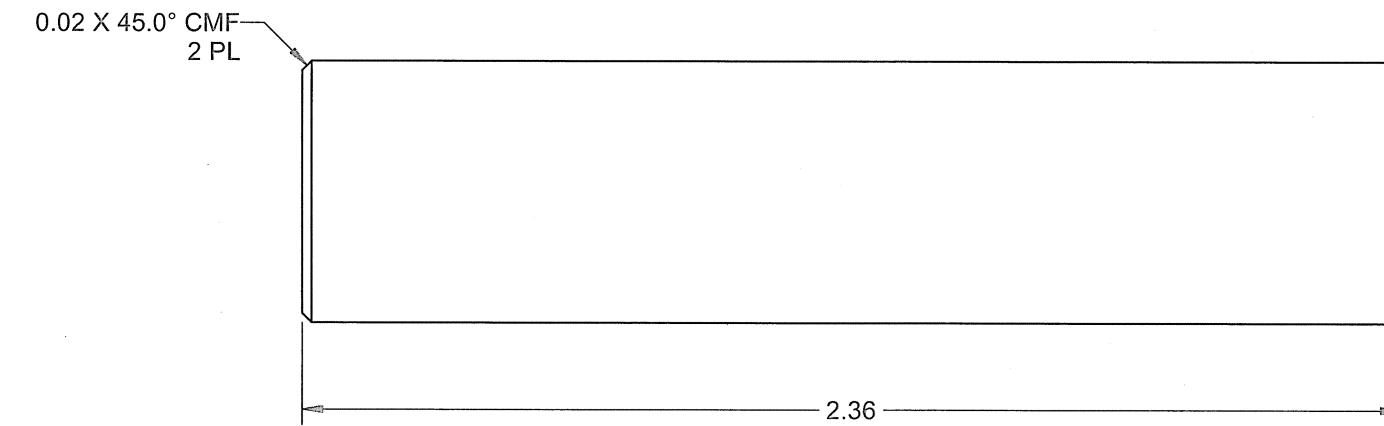
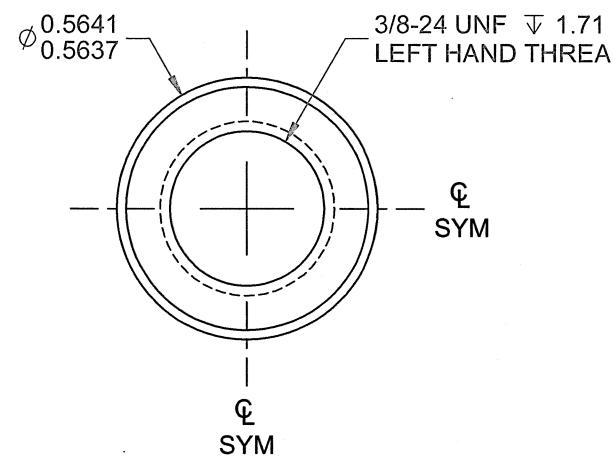
D

C

C

B

B



RBW6700G08031-8G-10 RIGHT HAND ALIGNMENT BUSHING

NOTES:

- 1) MATERIAL: BRONZE C63000
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: $X.X = +/- 0.1" / +/- 1^\circ$
 $X.XX = +/- 0.01" / +/- 0.5^\circ$
 $X.XXX = +/- 0.005" / +/- 0.1^\circ$
 $X.XXXX = +/- 0.0005" / +/- 0.05^\circ$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $+/- 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN DRAWN	KPT	DART AEROSPACE LTD	
CHECKED	KPT	HAWKESBURY, ONTARIO, CANADA	
MFG. APPR.	JMH	TOOL PART #	RBW6700G08031-8G
APPROVED	JFC	REV. A	SHEET 8 OF 12
DATE 2019-09-13		TITLE	M/R ACTUATOR ADJUSTMENT TOOL ASSY
		SCALE	NTS

[Signature]

COPYRIGHT © 2019 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

D

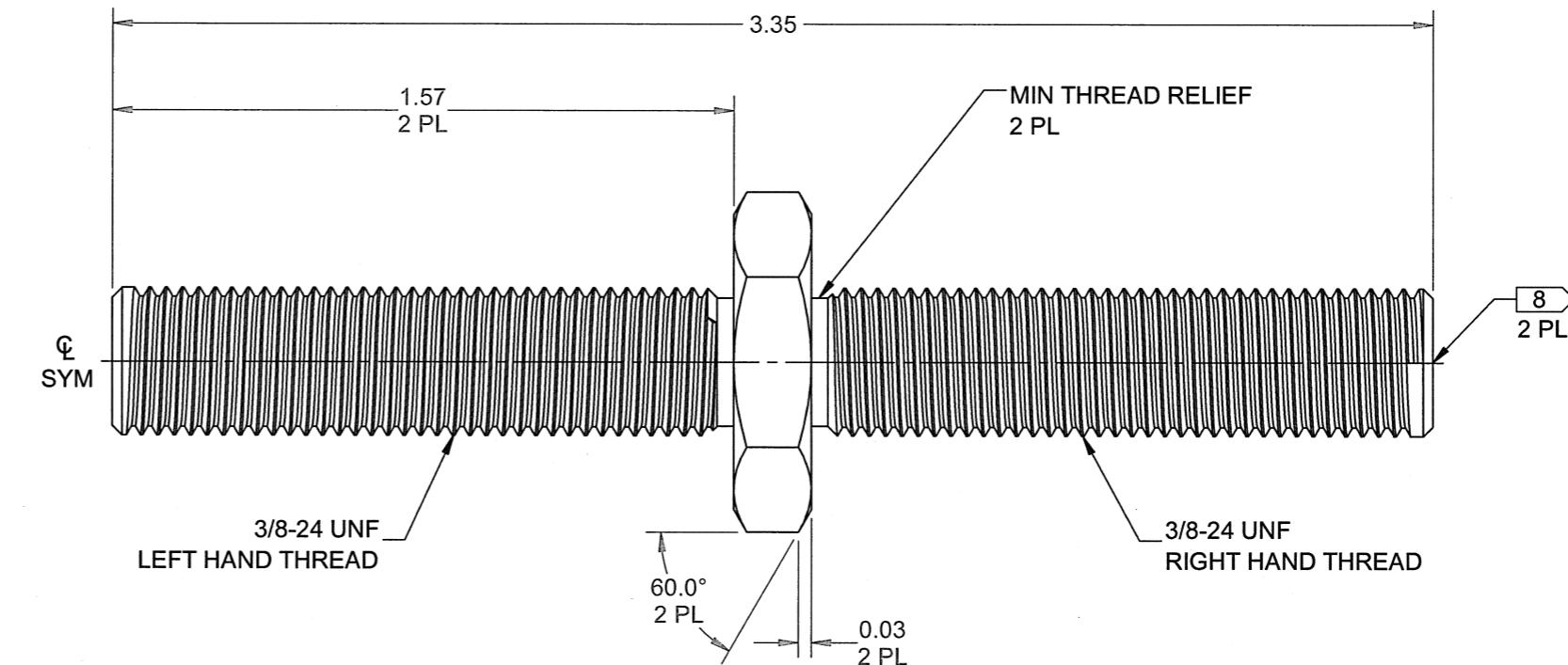
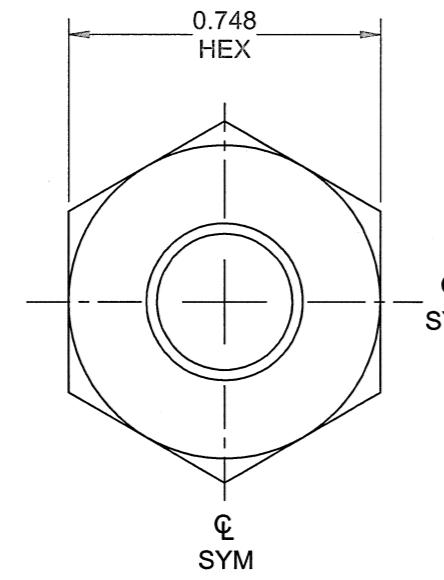
D

C

C

B

B



RBW6700G08031-8G-6 THREADED PIN

NOTES:

- 1) MATERIAL: 4140 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: $X.X = +/- 0.1"$ / $+/- 1^{\circ}$
 $X.XX = +/- 0.01"$ / $+/- 0.5^{\circ}$
 $X.XXX = +/- 0.005"$ / $+/- 0.1^{\circ}$
 $X.XXXX = +/- 0.0005"$ / $+/- 0.05^{\circ}$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $+/- 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A
- 8) CENTER DRILL IS ACCEPTABLE

DESIGN DRAWN	KPT	DART AEROSPACE LTD	
CHECKED	JMH	HAWKESBURY, ONTARIO, CANADA	
MFG. APPR.	JFC	TOOL PART #	
APPROVED	WPF	RBW6700G08031-8G	
DATE 2019-09-13		REV. A	SHEET 9 OF 12
TITLE		SCALE NTS	
M/R ACTUATOR ADJUSTMENT TOOL ASSY		COPYRIGHT © 2019 BY DART AEROSPACE LTD	
		THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

D

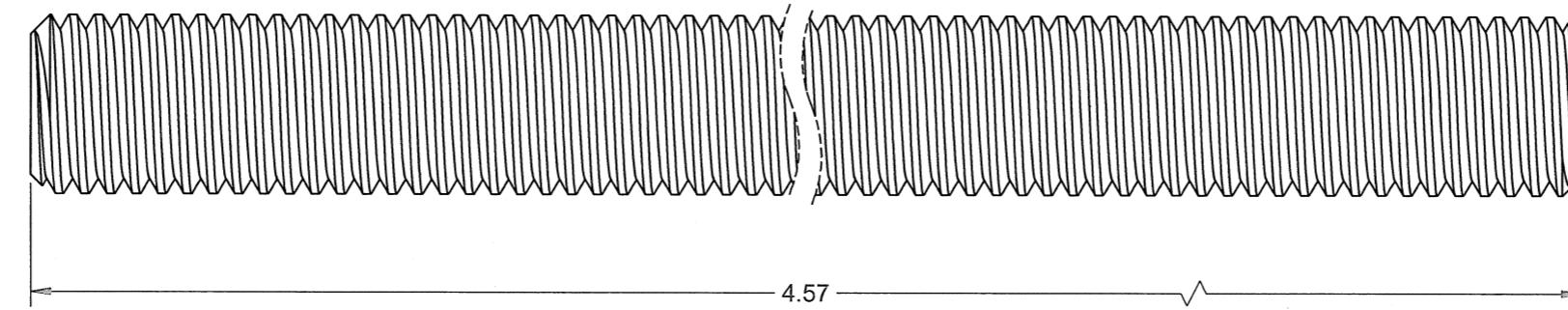
D

C

C

B

B



RBW6700G08031-8G-7 THREADED ROD

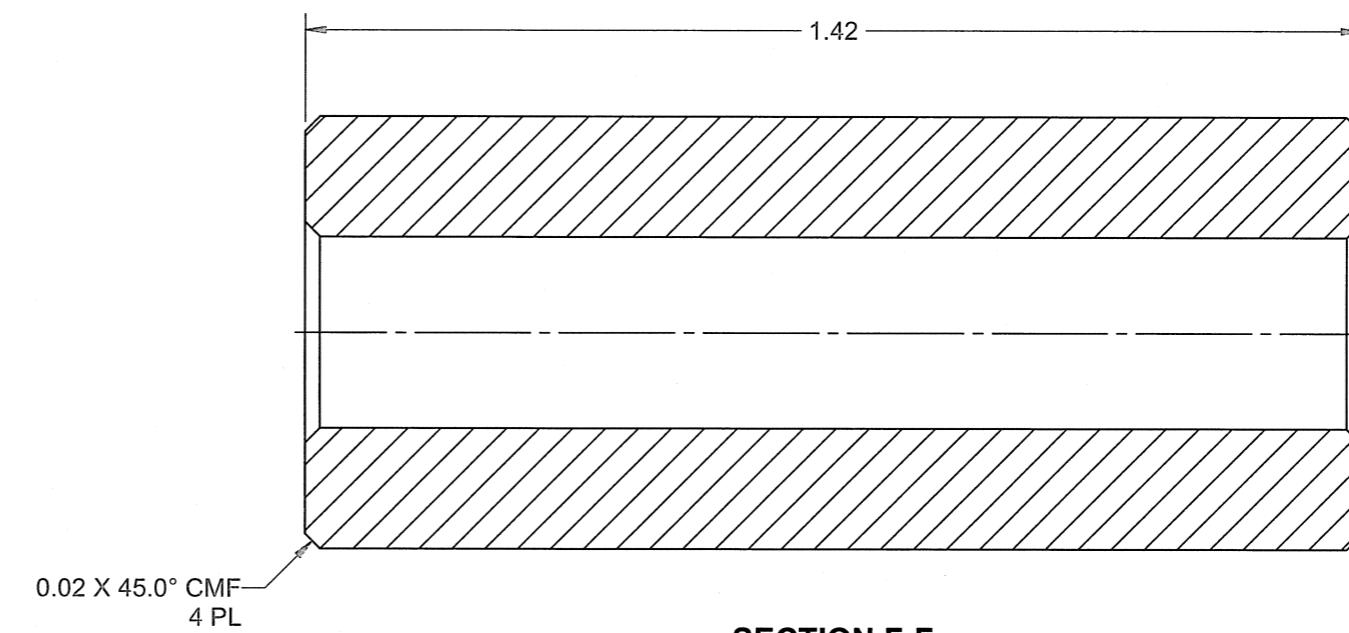
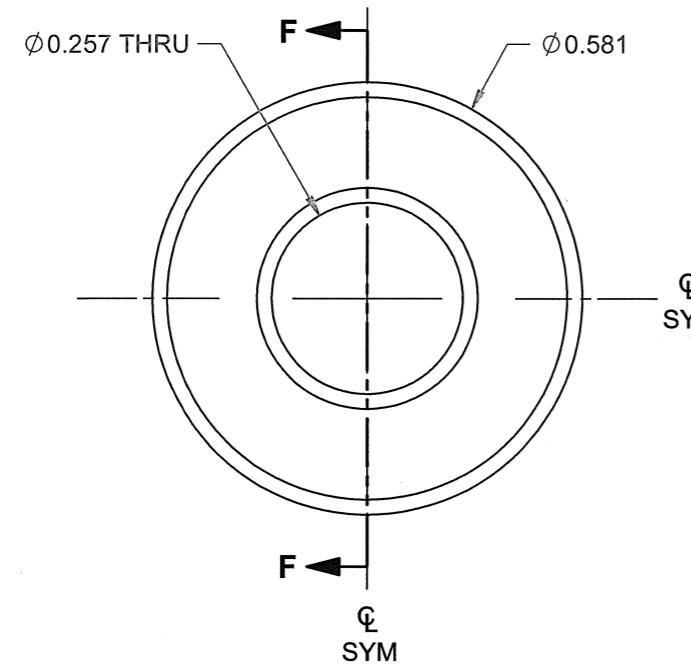
NOTES:

- 1) MATERIAL: McMaster#90575A236 OR EQUIV. (316 SS THREADED ROD 1/4"-28 X 6" LG.)
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: $X.X = \pm 0.1"$ / $\pm 1^\circ$
 $X.XX = \pm 0.01"$ / $\pm 0.5^\circ$
 $X.XXX = \pm 0.005"$ / $\pm 0.1^\circ$
 $X.XXXX = \pm 0.0005"$ / $\pm 0.05^\circ$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 10 OF 12
APPROVED	<i>[Signature]</i>	TITLE	
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	
DATE 2019-09-13		SCALE	NTS
<small>COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>			

D

D

**SECTION F-F****RBW6700G08031-8G-8 POSITIONING PIN****NOTES:**

- 1) MATERIAL: 6061-T6 / 7075-T6
- 2) HEAT TREAT: N/A
- 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = $+\/- 0.1"$ / $+\/- 1^{\circ}$
 $X.XX = $+\/- 0.01"$ / $+\/- 0.5^{\circ}$$
 $X.XXX = $+\/- 0.005"$ / $+\/- 0.1^{\circ}$$
 $X.XXXX = $+\/- 0.0005"$ / $+\/- 0.05^{\circ}$$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $+\/- 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 11 OF 12
APPROVED	<i>[Signature]</i>	TITLE M/R ACTUATOR ADJUSTMENT TOOL ASSY	
DATE 2019-09-13		SCALE	NTS
<small>COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>			

D

D

C

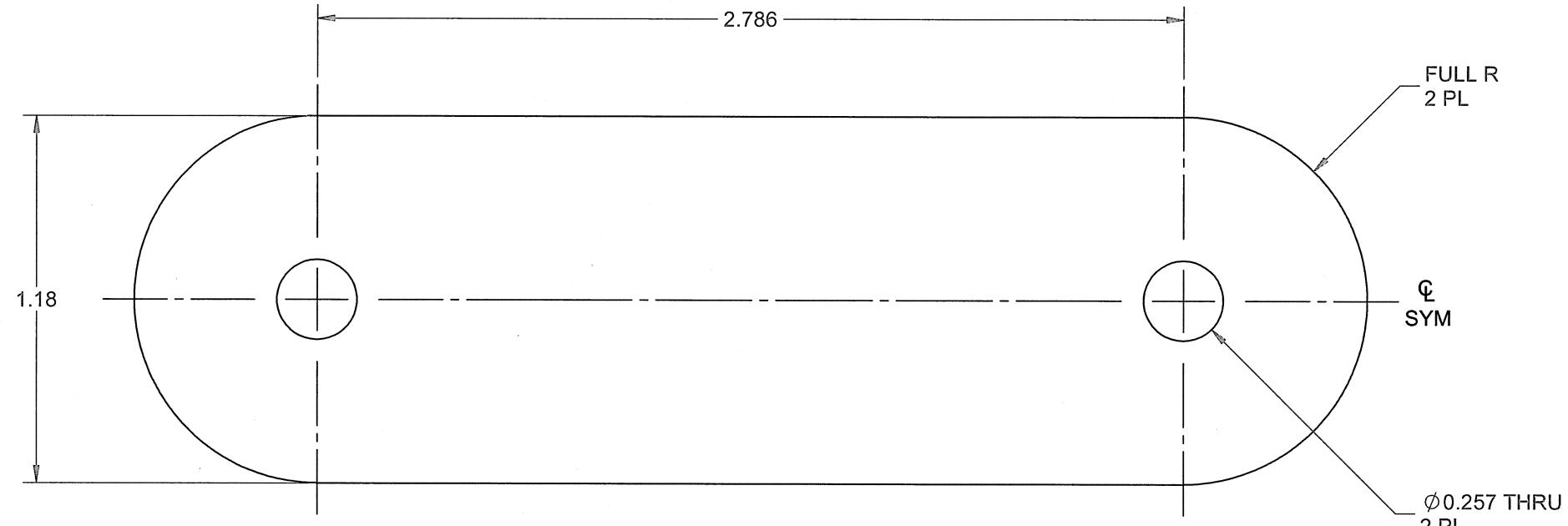
C

B

B

A

A



FLAT PATTERN

RBW6700G08031-8G-9 ADHESIVE TAPE

NOTES:

1) MATERIAL: McMaster#76475A92 OR EQUIV. (TEFLON PTFE LOW FRICTION TAPE 2" WD. X 0.022" THK.)

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = $\pm 0.1"$ / $\pm 1^\circ$

X.XX = $\pm 0.01"$ / $\pm 0.5^\circ$

X.XXX = $\pm 0.005"$ / $\pm 0.1^\circ$

X.XXXX = $\pm 0.0005"$ / $\pm 0.05^\circ$

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH		
MFG. APPR.	JFC		
APPROVED	<i>VHP</i>		
TOOL PART #		RBW6700G08031-8G	
TITLE		REV. A	
M/R ACTUATOR ADJUSTMENT TOOL ASSY		SHEET 12 OF 12	
DATE	2019-09-13	SCALE	
NTS			

COPYRIGHT © 2019 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.